

Amendments to the Specification are as follows:

Please amend the paragraph on page 2, lines 3-10 as follows:

(Amended) First to fourth OFDM demodulating means ~~11-4~~114, 124, 134, 144 are connected to the next stages of the respective A/D converters 113 to 143. The respective OFDM demodulating means 114 to 144 have a high speed Fourier converter of the same construction therein, and perform conversion to the base band signal of a frequency area by performing Fourier transformation by taking synchronization of the base band signal of the time area.